

ABSTRACT OF THE DISCLOSURE

A thermal control apparatus using heat pipes. The thermal control apparatus includes a heat pipe having a hollow interior at least partially filled with a vaporizable
5 liquid. The heat pipe further includes a threaded outer surface configured for coupling the heat pipe into an aperture having a threaded inner surface. The threaded outer surface maybe an integral portion of the heat pipe, or may be implemented using a separate piece that coupled to the heat pipe. A thermal control apparatus using the heat pipes may be implemented with a heat spreader having one or more apertures, wherein each of the
10 apertures includes a threaded inner surface. A heat pipe having a threaded outer surface may be positioned in one of the apertures. The thermal control apparatus may be mounted on a printed circuit board in the proximity of one or more electronic components.